Amendments to the Claims:

Claims 1-23 are pending in the application. This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. (Currently amended) A method of providing data, said method comprising:

storing a first set of encryption data associated with a first data stream; encrypting a first data stream having said first-level-of-encryption; sending said first data stream to a destination device for decryption;

storing a second set of encryption data associated with a second data stream;

encrypting the second data stream having a second-level-of-encryption, said first-level-of-encryption being different from said second-level-of-encryption; and

utilizing a common memory to encrypt said first data stream at said first-level-of-encryption and to encrypt said second data stream at said second-level-of-encryption;

sending said second data stream to said destination device for decryption.

- 2. (original) The method as described in claim 1 wherein said first set of encryption data comprises at least one encryption key.
- 3. (Currently amended) The method as described in claim 1 and further comprising transmitting said first and second data streams to a set top box. wherein said destination device comprises a set-top box.
- 4. (original) The method as described in claim 3 and further comprising storing a plurality of decryption algorithms at said set-top box.

- 5. (original) The method as described in claim 1 and further comprising:

 transmitting a first number of services in said first data stream; and

 transmitting a second number of services in said second data stream, said
 second number of services being different from said first number of services.
- 6. (original) The method as described in claim 1 wherein said first-level of encryption utilizes the Data Encryption Standard and wherein said second-level-of-encryption utilizes an encryption algorithm different from said Data Encryption Standard.
 - 7. (original) The method as described in claim 1 and further comprising:

 decrypting said first data stream at said set-top box; and

 decrypting said second data stream at said set-top box.
- 8. (original) The method as described in claim 1 and further comprising storing a portion of said first set of encryption data in RAM.
- 9. (original) The method as described in claim 1 and further comprising storing a portion of said first set of encryption data in a register of a microprocessor.
 - 10. (Currently amended) A cryptography circuit comprising:

a memory operable to store a first set of encryption data for a <u>an incoming</u> data stream;

- a reconfiguration circuit operable to reconfigure said memory such that said memory stores a second set of encryption data different from said first set of encryption data <u>for use in encrypting said incoming data stream</u>.
- 11. (original) The cryptography circuit as described in claim 10 wherein said reconfiguration circuit is triggered by a change in the encryption of said data stream.

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- 12. (original) The cryptography circuit as described in claim 10 and further comprising a memory to store a plurality of encryption algorithms.
- 13. (original) The cryptography circuit as described in claim 10 wherein said reconfiguration circuit comprises:

code means for storing a second set of encryption data; and code means for implementing an encryption algorithm.

14. (Currently amended) A method of allocating resources comprising:

allocating a memory with a first set of decryption data corresponding to a first-level-of-encryption;

receiving <u>via an originating source</u> a first data stream having said first-level-of-encryption;

re-allocating said memory with a second set of decryption data corresponding to a second-level-of-encryption said second-level-of-encryption being different from said first-level-of-encryption of said first data stream; and

receiving <u>via said originating source</u> a second data stream having said second-level-of-encryption.

- 15. (original) The method as described in claim 14 and further comprising detecting that said second-level-of-encryption of said second data stream is different from said first-level-of-encryption of said first data stream.
- 16. (original) The method as described in claim 14 wherein said allocating a memory with a first set of decryption data corresponding to said first-level-of-encryption comprises storing decryption key data.

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- 17. (original) The method as described in claim 16 wherein said re-allocating said memory with a second set of decryption data corresponding to said second-level-of-encryption comprises storing decryption key data.
- 18. (original) The method as described in claim 14 wherein said first data stream is comprised of a plurality of different services, each service encrypted at the same level of encryption.
 - 19. (currently amended) An integrated circuit comprising:

an input to receive data;

a memory to store a first set of cryptographic data;

a processor operable to re-allocate said memory so as to store a second set of cryptographic data;

wherein said processor is operable to implement a plurality of cryptographic algorithms;

a transmitter operable to transmit a data stream to a destination device, wherein said data stream comprises data encrypted according to a first cryptographic algorithm of said plurality of cryptographic algorithms and data encrypted according to a second cryptographic algorithm of said cryptographic algorithms.

- 20. (original) The integrated circuit as described in claim 19 wherein said cryptographic algorithms are encryption algorithms.
 - 21. (Currently amended) An integrated circuit comprising:

an input to receive an incoming data stream;

a memory to store a first set of cryptographic data;

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a processor operable to re-allocate said memory so as to store a second set of cryptographic data;

wherein said processor is operable to implement a plurality of cryptographic algorithms so as to decrypt a first portion of said incoming data stream according to a first cryptographic algorithm of said plurality of cryptographic algorithms and so as to decrypt a second portion of said incoming data stream according to a second cryptographic algorithm of said plurality of cryptographic algorithms.

The integrated circuit as described in claim 19 wherein said cryptographic algorithms are decryption algorithms.

22. (Currently amended) A set-top box apparatus comprising:

an input to receive an incoming data stream;

a processor coupled to said input;

a memory coupled to said processor configured to store a first set of decryption data;

code for use by said processor that allows said processor to reconfigure said memory with a second set of decryption data;

code for use by said processor that allows said processor to utilize said first set of decryption data to decrypt a first portion of said incoming data stream; and

code for use by said processor to utilize said second set of decryption data to decrypt a second portion of said incoming data stream.

23. (original) A method of providing encrypted data, said method comprising: providing a first set of services;

encrypting at least one of said services from said first set of services at a first-level-of-encryption;

combining the first set of services into a first data stream;

transmitting from a headend to a set-top box said first data stream;

storing a first set of decryption keys associated with said first-level-of-encryption in an integrated circuit in said set-top box, said first set of keys corresponding to the decryption algorithm for the first-level-of-encryption;

decrypting said first data stream;

providing a second set of services;

encrypting at least one of said services from said second set of services with an encryption algorithm different from said first-level-of-encryption;

combining the second set of services into a second data stream;

formatting said second data stream;

transmitting from said headend to said set-top box said second data stream;

storing a second set of decryption keys associated with said second-level-ofencryption in said integrated circuit in said set-top box;

storing a plurality of decryption algorithms in said set-top box; and decrypting said second data stream.